

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
 Data File : VL043306.D
 Acq On : 08 Dec 2025 09:36
 Operator : SY/MD
 Sample : VL1208ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1208ABL01

Quant Time: Dec 09 00:08:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.781	49	125653	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	312886	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	239807	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.368	95	159096	9.051	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.500%

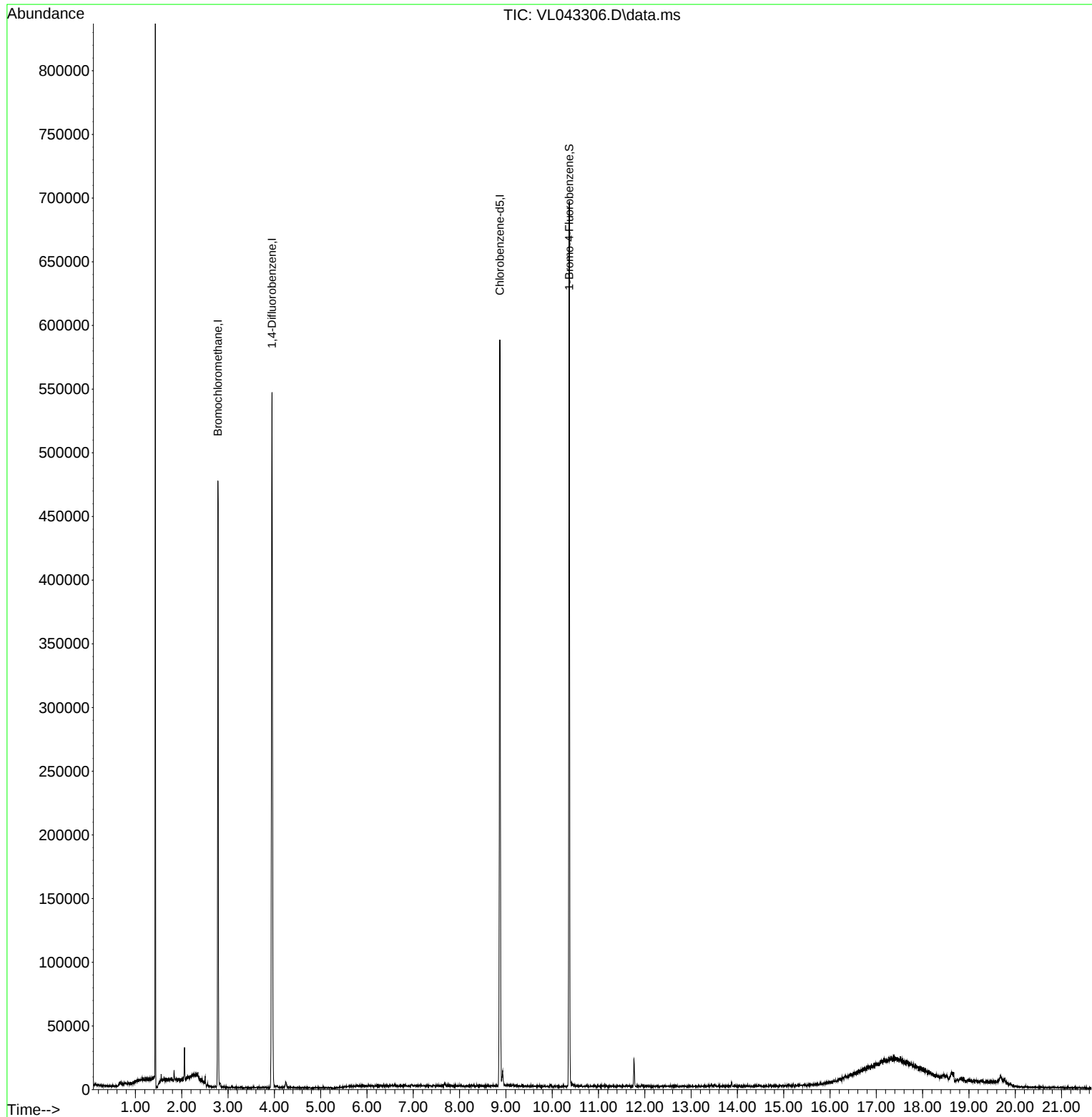
Target Compounds	Qvalue

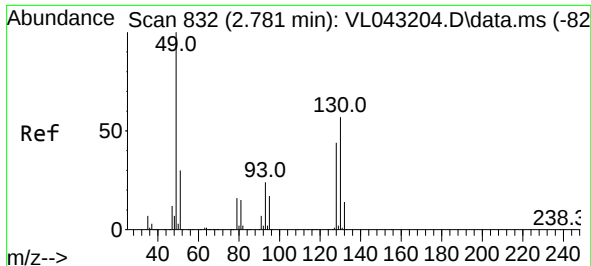
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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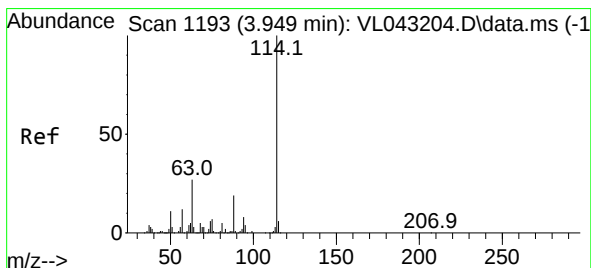
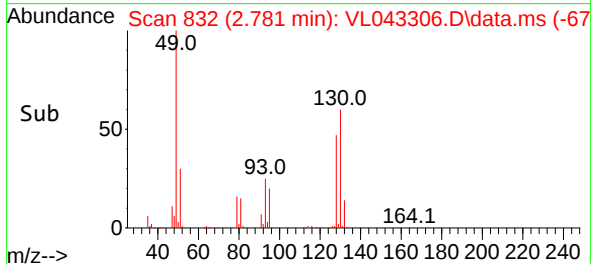
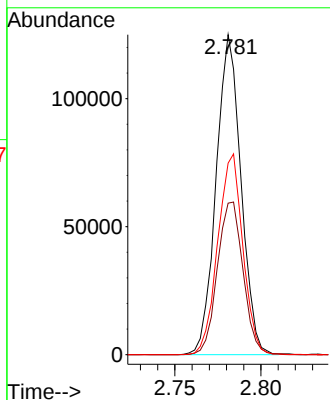
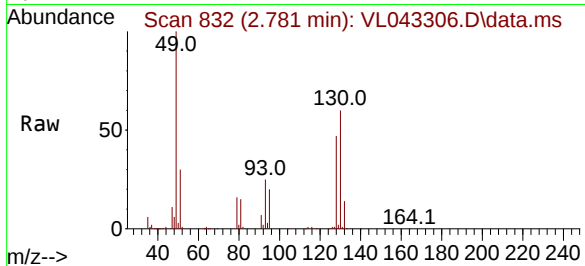




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 832
Delta R.T. -0.000 min
Lab File: VL043306.D
Acq: 08 Dec 2025 09:36

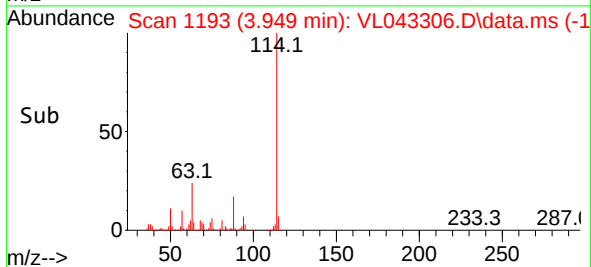
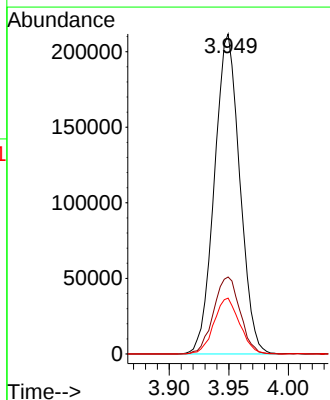
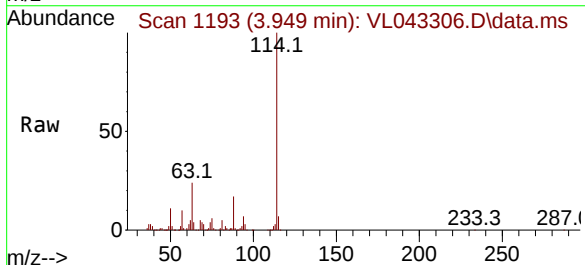
Instrument :
MSVOA_L
ClientSampleId :
VL1208ABL01

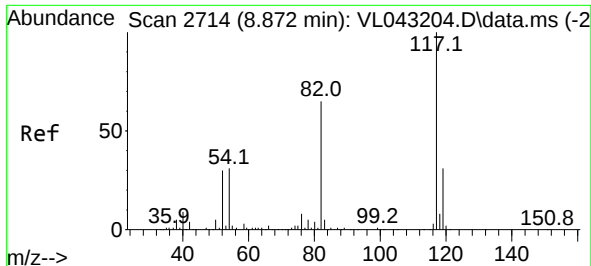
Tgt Ion: 49 Resp: 125653
Ion Ratio Lower Upper
49 100
128 49.3 23.0 69.0
130 63.3 29.9 89.7



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VL043306.D
Acq: 08 Dec 2025 09:36

Tgt Ion: 114 Resp: 312886
Ion Ratio Lower Upper
114 100
63 25.2 21.0 31.6
88 17.7 14.9 22.3

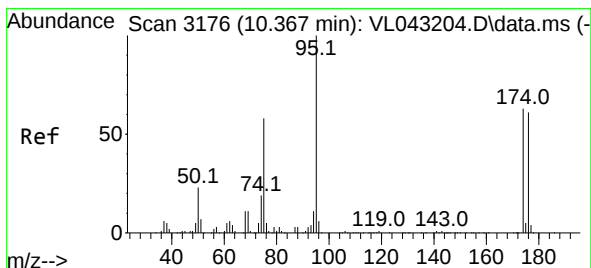
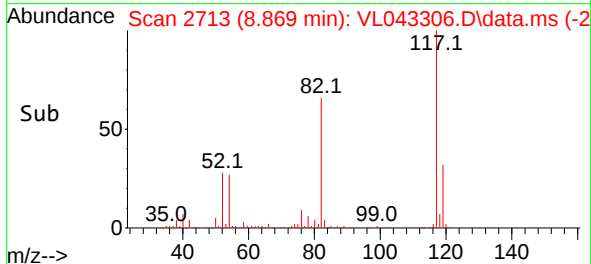
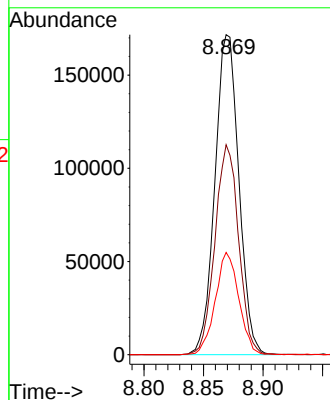
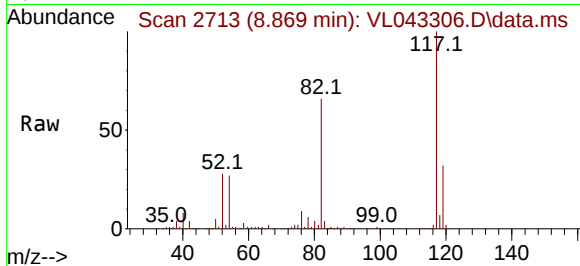




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.869 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043306.D
Acq: 08 Dec 2025 09:36

Instrument :
MSVOA_L
ClientSampleId :
VL1208ABL01

Tgt Ion:117 Resp: 239807
Ion Ratio Lower Upper
117 100
82 64.8 56.1 84.1
119 31.5 25.0 37.6



#68
1-Bromo-4-Fluorobenzene
Concen: 9.051 ppbv
RT: 10.368 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VL043306.D
Acq: 08 Dec 2025 09:36

Tgt Ion: 95 Resp: 159096
Ion Ratio Lower Upper
95 100
174 68.7 50.2 75.2
175 5.0 4.1 6.1

